

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 5-9-01 are:

A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings.	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Black ink. Color.	— Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
— Color drawings are not acceptable until petition is granted. Fig(s) _____	9. SCALE. 37 CFR 1.84(k)
— Pencil and non black ink not permitted. Fig(s) _____	— Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(b)	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
— 1 full-tone set is required. Fig(s) _____	— Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____
— Photographs may not be mounted. 37 CFR 1.84(e)	11. SHADING. 37 CFR 1.84(m)
— Poor quality (half-tone). Fig(s) _____	— Solid black areas pale. Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(c)	— Solid black shading not permitted. Fig(s) _____
— Paper not flexible, strong, white, and durable. Fig(s) _____	— Shade lines, pale, rough and blurred. Fig(s) _____
— Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
— Mylar, vellum paper is not acceptable (too thin). Fig(s) _____	— Numbers and reference characters not plain and legible. Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:	— Figure legends are poor. Fig(s) _____
— 21.0 cm by 29.7 cm (DIN size A4)	— Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____
— 21.6 cm by 27.9 cm (8 1/2 x 11 inches)	— English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____
— All drawing sheets not the same size.	— Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____
— Sheet(s) _____	13. LEAD LINES. 37 CFR 1.84(q)
— Drawings sheets not an acceptable size. Fig(s) _____	— Lead lines cross each other. Fig(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:	— Lead lines missing. Fig(s) _____
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11	— Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
Margins not acceptable. Fig(s) <u>1-6</u>	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
— Top (T) — Left (L) — Right (R) — Bottom (B)	— Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
6. VIEWS. 37 CFR 1.84(h)	16. CORRECTIONS. 37 CFR 1.84(w)
REMINDER: Specification may require revision to correspond to drawing changes.	— Corrections not made from prior PTO-948 dated _____
Partial views. 37 CFR 1.84(h)(2)	17. DESIGN DRAWINGS. 37 CFR 1.152
— Brackets needed to show figure as one entity. Fig(s) _____	— Surface shading shown not appropriate. Fig(s) _____
— Views not labeled separately or properly. Fig(s) <u>1-6</u>	— Solid black shading not used for color contrast. Fig(s) _____
— Enlarged view not labeled separately or properly. Fig(s) _____	
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)	
— Hatching not indicated for sectional portions of an object. Fig(s) _____	
— Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	

COMMENTS

REVIEWER J. C. Hause DATE 3-3-03 TELEPHONE NO. 703 305 8430

ATTACHMENT TO PAPER NO. _____